

AMENDMENTS TO THE SPECIFICATION

On page 5, line 27 – page 6, line 6, please replace with the following paragraph:

As the document agent 12 processes the output stream, the agent 12 builds a new data file, the display list 14, that encodes the visual image presented by the output source. The display list 14 comprises an internal representation of the visual image. The display list 14 can be passed to the rendering engine 18, which will process the information within the display list to create the visual image on the target output device 26. To this end, the document agent 12 builds the internal representation 14 of the visual image, by creating a file that includes a set of pointers to a library of known objects. When the rendering engine 18 operates, the library 19 of known objects is referenced and the objects retrieved from the library 19 for display on the target display device.

On page 8, lines 24-29, please replace with the following paragraph:

The pre-processing functions of the parser/renderer 18 may include ~~colour~~ color correction, resolution adjustment/enhancement and anti-aliasing. Resolution enhancement may comprise scaling functions which preserve the legibility of the content of objects when displayed or reproduced by the target output device. Resolution adjustment may be context-sensitive; e.g. the display resolution of particular objects may be reduced while the displayed document view is being panned or scrolled and increased when the document view is static.

On page 10, line 27 through page 11 line 2, please replace with the following paragraph:

The system preferably employs a device-independent ~~colour~~ color model, suitable a luminance/chrominance model such as the CIE L*A*B* 1976 model. This reduces redundancy in graphic objects, improves data compressibility and improves consistency of ~~colour~~ color

output between different output devices. Device-dependent ~~colour~~ color correction can be applied on the basis of the device-dependent control input 44 to the shape processor 22.

On page 12, lines 16 through 22, please replace with the following paragraph:

When integrated with the operating system of a data processing system, the system of the present invention may also form the basis of a novel graphical user interface ~~*(GUI)~~ for the operating system (OS). Documents processed and displayed by the system may include interactive features such as menus, buttons, icons etc. which provide the user interface to the underlying functions of the operating system. By extension, a complete OS/GUI may be expressed, processed and displayed in terms of system “documents”². The OS/GUI could comprise a single document with multiple “chapters”.

On page 14, line 9 through 19, please replace with the following paragraph:

Additionally, the systems and methods described herein provide for utilities and tools such as, floating virtual “magnifying glass” which magnifies the underlying document area, in which the magnified view is based on the internal representation 14 of the source document rather than on a bitmap representation of the document and which may modify document parameters such as background and/or foreground colors ~~colours~~; a floating virtual, translucent keyboard for text input using a pointing device/touch screen; a floating, virtual, translucent ruler which is re-scalable using any of a variety of user-selectable units. The systems also provide for alternative menu or “tabbed page” drag out/pull down functions and simulation of physical inertia/momentum applied to page scrolling/panning functions (e.g. when a zoomed display of a page is dragged to scroll the display and released, the moving display decelerates gradually after release).